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PTO/SB/21 (09-06)


Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<h1>TRANSMITTAL FORM</h1> <p><i>(to be used for all correspondence after initial filing)</i></p>	Application Number	10/581,657
	I.A. Filing Date	December 3, 2004
	First Named Inventor	Okada
	Art Unit	Not yet assigned
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	GWS-005

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Reply to Notification of Missing Requirements under 35 U.S.C. 371 <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Executed Declaration and Power of Attorney - Copy of Notification of Missing Requirements under 35 U.S.C. 371 - Certificate of First Class Mailing - Return Receipt Postcard
<div style="border: 1px solid black; padding: 5px; display: inline-block;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	GOODWIN PROCTER LLP		
Signature			
Printed name	Natasha Us		
Date	June 4, 2007	Reg. No.	44,381

LIBC/3025810

# FEE TRANSMITTAL

Complete if Known

Application Serial Number	10/581,657
I.A. Filing Date	December 3, 2004
First Named Inventor	Okada
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	GWS-005

## METHOD OF PAYMENT

1. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 07-1700.  
☐ Required Fees (copy of this sheet enclosed).  
☒ Additional fee required under 37 CFR 1.16 and 1.17.  
☒ Overpayment Credit.
3. ☐ Applicant claims small entity status.

## FEE CALCULATION

### 1. FILING/SEARCH/EXAM/SIZE FEES

#### Large Entity

Fee (\$)	Fee Description	Fee Paid
300	Utility filing fee	
500	Utility search fee	
200	Utility exam fee	
250	Utility size fee (each add'l 50 pgs. over 100)	
200	Design filing fee	
100	Design search fee	
130	Design exam fee	
250	Design size fee (each add'l 50 pgs. over 100)	

Number Filed	Number Extra	Rate	Amount
Total Claims	- 20 =	x \$ 50.00 =	
Independent Claims	- 3 =	x \$200.00 =	
<input type="checkbox"/> Multiple Dependent Claim(s), if any			\$360.00 =
TOTAL:			
SMALL ENTITY DISCOUNT:			
SUBTOTAL (1)			(\$) 0.00

### 2. AMENDMENT CLAIM FEES

Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid
Total	-	=	x \$ 50.00 =	
Indep.	-	=	x \$200.00 =	
<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+ \$360.00 =	
TOTAL:				(\$)
SMALL ENTITY DISCOUNT:				(\$)
SUBTOTAL (2)				(\$) 0.00

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
130	65	Surcharge - late filing fee or oath	130.00
50	25	Surcharge - late provisional filing fee or cover sheet	
130	130	Non-English specification	
2,520	2,520	Request for ex parte reexamination	
120	60	Extension for reply within first month	
450	225	Extension for reply within second month	
1020	510	Extension for reply within third month	
1590	795	Extension for reply within fourth month	
2160	1080	Extension for reply within fifth month	
500	250	Notice of Appeal	
500	250	Filing a brief in support of an appeal	
1000	500	Request for oral hearing	
400	400	Petitions to the Commissioner (Gp. I)	
200	200	Petitions to the Commissioner (Gp. II)	
130	130	Petitions to the Commissioner (Gp. III)	
180	180	Submission of Information Disclosure Statement	
790	395	Filing a submission after final rejection (37 CFR 1.129(a))	
790	395	For each additional invention to be examined (37 CFR 1.129(b))	
100	100	Certificate of Correction for applicant's error	
130	65	Submission of Terminal Disclaimer	
Other fee (Specify)			
Other fee (Specify)			

SUBTOTAL (3) (\$) 130.00

SUBTOTAL (1) 0.00

SUBTOTAL (2) 0.00

SUBTOTAL (3) 130.00

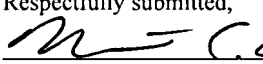
TOTAL (\$) 130.00

## CORRESPONDENCE ADDRESS

Direct all correspondence to:  
Patent Administrator  
Goodwin Procter LLP  
Exchange Place  
Boston, MA 02109  
Tel. No.: (617) 570-1000  
Fax No.: (617) 523-1231  
Customer No. 051414

## SIGNATURE BLOCK

Respectfully submitted,  
Date: June 4, 2007  
Reg. No.: 44,381  
Tel. No.: (617) 570-1806  
Fax No.: (617) 523-1231

  
Natasha C. Us  
Attorney for the Applicant  
Goodwin Procter LLP  
Exchange Place  
Boston, MA 02109

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

APPLICANT: Okada CONF. NO.: 4969  
SERIAL NO.: 10/581,657 GROUP NO.: Not yet assigned  
I.A. FILING DATE: December 3, 2004 EXAMINER: Not yet assigned  
TITLE: SYSTEM AND METHOD TO REDUCE METAL SERIES  
RESISTANCE OF BUMPED CHIP

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C.  
371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

This paper is being filed in response to the Notification of Missing Requirements mailed on April 11, 2007. Applicant encloses a copy of an executed Declaration and Power of Attorney form, and a check in the amount of \$130.00 to cover the surcharge for a late fee or declaration. Applicants believe that no other fees are necessitated by the present paper. However, in the event that any additional fees are due, the Commissioner is hereby authorized to charge any such fees to Deposit Account No. 07-1700, under Order No. GWS-005.

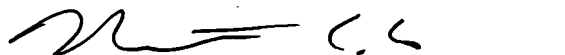
06/12/2007 GFREY1 00000136 10581657

01 FC:1617 130.00 DP

Date: June 4, 2007  
Reg. No. 44,381

Tel. No.: (617) 570-1806  
Fax No.: (617) 523-1231

Respectfully submitted,



Natasha C. Us  
Attorney for Applicant  
Goodwin Procter LLP  
Exchange Place  
Boston, Massachusetts 02109



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/581,657	David N. OKADA	GWS005

INTERNATIONAL APPLICATION NO.	
PCT/US04/40698	
I.A. FILING DATE	PRIORITY DATE
12/03/2004	12/04/2003

51414  
 GOODWIN PROCTER LLP  
 PATENT ADMINISTRATOR  
 EXCHANGE PLACE  
 BOSTON, MA 02109-2881

CONFIRMATION NO. 4969

## 371 FORMALITIES LETTER



\*OC000000023325715\*

Date Mailed: 04/11/2007

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/01/2006
- Copy of the International Search Report filed on 06/01/2006
- Preliminary Amendments filed on 06/01/2006
- Information Disclosure Statements filed on 06/01/2006
- Request for Immediate Examination filed on 06/01/2006
- U.S. Basic National Fees filed on 06/01/2006
- Priority Documents filed on 06/01/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

## SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

FRANCINE YOUNG

Telephone: (703) 308-9140 EXT 215

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/581,657	PCT/US04/40698	GWS005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Okada CONF. NO.: 4969  
SERIAL NO.: 10/581,657 GROUP NO.: Not yet assigned  
I.A. FILING DATE: December 3, 2004 EXAMINER: Not yet assigned  
TITLE: SYSTEM AND METHOD TO REDUCE METAL SERIES  
RESISTANCE OF BUMPED CHIP

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 4th day of June, 2007.

  
Carrah Malone

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 page);
2. Fee Transmittal (1 page);
3. Response to Notification of Missing Requirements under 35 U.S.C. 371 (1 page);
4. Copy of Notification of Missing Requirements under 35 U.S.C. 371 (2 pages);
5. Executed Declaration and Power of Attorney (2 pages);
6. Check in the amount of \$130.00; and
7. Return receipt postcard